

Titles of Most Frequently Occurring Classifications of Patents Returned  
From A Search of 09779089 on February 13, 2003

10 340/539 (4 OR, 6 XR)  
Class 340 : COMMUNICATIONS: ELECTRICAL  
340/500 CONDITION RESPONSIVE INDICATING SYSTEM  
340/531 .With particular coupling link  
340/539 ..Radio

9 340/572.1 (1 OR, 8 XR)  
Class 340 : COMMUNICATIONS: ELECTRICAL  
340/500 CONDITION RESPONSIVE INDICATING SYSTEM  
340/540 .Specific condition  
340/568.1 ..Article placement or removal (e.g.,  
anti-theft)  
340/572.1 ...Detectable device on protected article  
(e.g., "tag")

9 340/825.72 (1 OR, 8 XR)  
Class 340 : COMMUNICATIONS: ELECTRICAL  
340/825 SELECTIVE  
340/825.71 .Frequency responsive actuation  
340/825.72 ..Wireless link

8 340/825.69 (5 OR, 3 XR)  
Class 340 : COMMUNICATIONS: ELECTRICAL  
340/825 SELECTIVE  
340/825.57 .Pulse responsive actuation  
340/825.62 ..Serial  
340/825.69 ...Radio link

6 340/10.1 (2 OR, 4 XR)  
Class 340 : COMMUNICATIONS: ELECTRICAL  
340/825 SELECTIVE  
340/10.1 .Interrogation response

6 340/870.02 (4 OR, 2 XR)  
Class 340 : COMMUNICATIONS: ELECTRICAL  
340/870.01 CONTINUOUSLY VARIABLE INDICATING (E.G.,  
TELEMETERING)  
340/870.02 .With meter reading

6 380/34 (0 OR, 6 XR)  
Class 380 : CRYPTOGRAPHY  
380/255 COMMUNICATION SYSTEM USING CRYPTOGRAPHY  
380/270 .Wireless communication  
380/33 ..Using plural paths or channels  
380/34 ...Plural carrier frequencies

5 340/870.03 (0 OR, 5 XR)  
Class 340 : COMMUNICATIONS: ELECTRICAL  
340/870.01 CONTINUOUSLY VARIABLE INDICATING (E.G.,  
TELEMETERING)  
340/870.02 .With meter reading  
340/870.03 ..Having plural transmitters

4 340/531 (0 OR, 4 XR)  
Class 340 : COMMUNICATIONS: ELECTRICAL  
340/500 CONDITION RESPONSIVE INDICATING SYSTEM  
340/531 .With particular coupling link

3 222/641 (1 OR, 2 XR)  
Class 222 : DISPENSING  
222/638 INCLUDING TIMER  
222/639 .For timing dispensing period  
222/640 ..Of beverage or beverage component dispenser  
222/641 ...Including electrical timing circuit

3 340/10.4 (1 OR, 2 XR)  
Class 340 : COMMUNICATIONS: ELECTRICAL  
340/825 SELECTIVE  
340/10.1 .Interrogation response  
340/10.4 ..Response signal detail

3 340/442 (1 OR, 2 XR)  
Class 340 : COMMUNICATIONS: ELECTRICAL  
340/425.5 LAND VEHICLE ALARMS OR INDICATORS  
340/438 .Internal alarm or indicator responsive to a  
condition of the vehicle  
340/442 ..Tire deflation or inflation

3 340/447 (2 OR, 1 XR)  
Class 340 : COMMUNICATIONS: ELECTRICAL  
340/425.5 LAND VEHICLE ALARMS OR INDICATORS  
340/438 .Internal alarm or indicator responsive to a  
condition of the vehicle  
340/442 ..Tire deflation or inflation  
340/445 ...With particular telemetric coupling  
340/447 ....Radio wave

3 340/5.26 (2 OR, 1 XR)  
Class 340 : COMMUNICATIONS: ELECTRICAL  
340/825 SELECTIVE  
340/5.1 .Intelligence comparison for controlling  
340/5.2 ..Authorization control (e.g., entry into an  
area)  
340/5.21 ...Varying authorization  
340/5.26 ....Code rotating or scrambling

3 340/5.64 (0 OR, 3 XR)  
Class 340 : COMMUNICATIONS: ELECTRICAL  
340/825 SELECTIVE  
340/5.1 .Intelligence comparison for controlling  
340/5.2 ..Authorization control (e.g., entry into an  
area)  
340/5.6 ...Coded record input (e.g., IC card or key)  
340/5.64 ....Wireless transmitter

3 340/571 (0 OR, 3 XR)  
Class 340 : COMMUNICATIONS: ELECTRICAL  
340/500 CONDITION RESPONSIVE INDICATING SYSTEM  
340/540 .Specific condition

340/568.1 ..Article placement or removal (e.g.,  
anti-theft)

340/571 ...Alarm on protected article

3 340/573.4 (1 OR, 2 XR)  
Class 340 : COMMUNICATIONS: ELECTRICAL  
340/500 CONDITION RESPONSIVE INDICATING SYSTEM  
340/540 .Specific condition  
340/573.1 ..Human or animal  
340/573.4 ...House arrest system, wandering, or wrong  
place

3 340/870.11 (0 OR, 3 XR)  
Class 340 : COMMUNICATIONS: ELECTRICAL  
340/870.01 CONTINUOUSLY VARIABLE INDICATING (E.G.,  
TELEMETERING)  
340/870.11 .Plural transmitters

3 342/357.06 (0 OR, 3 XR)  
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES  
342/350 DIRECTIVE  
342/352 .Including a satellite  
342/357.01 ..With position indicating  
342/357.06 ...Using Global Positioning Satellite (GPS or  
Glonass)

3 342/457 (0 OR, 3 XR)  
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES  
342/350 DIRECTIVE  
342/450 .Position indicating (e.g., triangulation)  
342/457 ..Land vehicle location (e.g., bus, police car)

3 370/437 (3 OR, 0 XR)  
Class 370 : MULTIPLEX COMMUNICATIONS  
370/431 CHANNEL ASSIGNMENT TECHNIQUES  
370/437 .Adaptive selection of channel assignment  
technique

3 370/458 (0 OR, 3 XR)  
Class 370 : MULTIPLEX COMMUNICATIONS  
370/431 CHANNEL ASSIGNMENT TECHNIQUES  
370/458 .Using time slots

3 375/130 (3 OR, 0 XR)  
Class 375 : PULSE OR DIGITAL COMMUNICATIONS  
375/130 SPREAD SPECTRUM

3 375/131 (3 OR, 0 XR)  
Class 375 : PULSE OR DIGITAL COMMUNICATIONS  
375/130 SPREAD SPECTRUM  
375/131 .Hybrid form

3 375/134 (3 OR, 0 XR)  
Class 375 : PULSE OR DIGITAL COMMUNICATIONS

375/130 SPREAD SPECTRUM  
 375/132 .Frequency hopping  
 375/133 ..End-to-end transmission system  
 375/134 ...Having specific code acquisition or tracking

3 701/213 (0 OR, 3 XR)  
 Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND  
 RELATIVE LOCATION  
 701/200 NAVIGATION  
 701/207 .Employing position determining equipment  
 701/213 ..Using Global Positioning System (GPS)

2 73/146.4 (0 OR, 2 XR)  
 Class 073 : MEASURING AND TESTING  
 73/146 TIRE, TREAD OR ROADWAY  
 73/146.2 .Tire inflation testing installation  
 73/146.3 ..By direct fluid pressure reading  
 73/146.4 ...Telemetric (e.g., indicator on cowl)

2 73/146.5 (0 OR, 2 XR)  
 Class 073 : MEASURING AND TESTING  
 73/146 TIRE, TREAD OR ROADWAY  
 73/146.2 .Tire inflation testing installation  
 73/146.3 ..By direct fluid pressure reading  
 73/146.4 ...Telemetric (e.g., indicator on cowl)  
 73/146.5 ....Electric

2 119/721 (0 OR, 2 XR)  
 Class 119 : ANIMAL HUSBANDRY  
 119/712 ANIMAL CONTROLLING OR HANDLING (E.G.,  
 RESTRAINING, BREAKING, TRAINING, SORTING,  
 CONVEYING, ETC.)  
 119/720 .Electromagnetic remote control  
 119/721 ..Animal confined to predetermined territorial  
 location

2 175/40 (0 OR, 2 XR)  
 Class 175 : BORING OR PENETRATING THE EARTH  
 175/40 WITH SIGNALING, INDICATING, TESTING OR  
 MEASURING

2 222/1 (2 OR, 0 XR)  
 Class 222 : DISPENSING  
 222/1 PROCESSES OF DISPENSING

2 222/36 (0 OR, 2 XR)  
 Class 222 : DISPENSING  
 222/23 WITH RECORDER, REGISTER, INDICATOR, SIGNAL OR  
 EXHIBITOR  
 222/36 .Totalizer for successive dispenser cycles

2 324/117R (0 OR, 2 XR)  
 Class 324 : ELECTRICITY: MEASURING AND TESTING  
 324/76.11 MEASURING, TESTING, OR SENSING ELECTRICITY, PER  
 SE

324/117R      .Magnetic saturation (e.g., in field or in amplifier)

2 324/252      (0 OR, 2 XR)  
     Class 324 : ELECTRICITY: MEASURING AND TESTING  
     324/200      MAGNETIC  
     324/244      .Magnetometers  
     324/252      ..Semiconductor type solid-state or magnetoresistive magnetometers

2 324/96      (1 OR, 1 XR)  
     Class 324 : ELECTRICITY: MEASURING AND TESTING  
     324/76.11    MEASURING, TESTING, OR SENSING ELECTRICITY, PER SE  
     324/96      .Using radiant energy

2 340/10.2      (0 OR, 2 XR)  
     Class 340 : COMMUNICATIONS: ELECTRICAL  
     340/825      SELECTIVE  
     340/10.1      .Interrogation response  
     340/10.2      ..Contention avoidance

2 340/10.33      (0 OR, 2 XR)  
     Class 340 : COMMUNICATIONS: ELECTRICAL  
     340/825      SELECTIVE  
     340/10.1      .Interrogation response  
     340/10.3      ..Interrogation signal detail  
     340/10.33      ...Wake up (all call)

2 340/10.34      (0 OR, 2 XR)  
     Class 340 : COMMUNICATIONS: ELECTRICAL  
     340/825      SELECTIVE  
     340/10.1      .Interrogation response  
     340/10.3      ..Interrogation signal detail  
     340/10.34      ...Power up

2 340/10.41      (1 OR, 1 XR)  
     Class 340 : COMMUNICATIONS: ELECTRICAL  
     340/825      SELECTIVE  
     340/10.1      .Interrogation response  
     340/10.4      ..Response signal detail  
     340/10.41      ...Combination response

2 340/10.51      (0 OR, 2 XR)  
     Class 340 : COMMUNICATIONS: ELECTRICAL  
     340/825      SELECTIVE  
     340/10.1      .Interrogation response  
     340/10.5      ..Additional control  
     340/10.51      ...Programming (e.g., read/write)

2 340/551      (0 OR, 2 XR)  
     Class 340 : COMMUNICATIONS: ELECTRICAL  
     340/500      CONDITION RESPONSIVE INDICATING SYSTEM  
     340/540      .Specific condition  
     340/541      ..Intrusion detection  
     340/551      ...Disturbance of magnetic field

2 340/568.1 (0 OR, 2 XR)  
 Class 340 : COMMUNICATIONS: ELECTRICAL  
 340/500 CONDITION RESPONSIVE INDICATING SYSTEM  
 340/540 .Specific condition  
 340/568.1 ..Article placement or removal (e.g.,  
 anti-theft)

2 340/572.4 (2 OR, 0 XR)  
 Class 340 : COMMUNICATIONS: ELECTRICAL  
 340/500 CONDITION RESPONSIVE INDICATING SYSTEM  
 340/540 .Specific condition  
 340/568.1 ..Article placement or removal (e.g.,  
 anti-theft)  
 340/572.1 ...Detectable device on protected article  
 (e.g., "tag")  
 340/572.4 ....Specified processing arrangement for  
 detected signal

2 340/572.8 (0 OR, 2 XR)  
 Class 340 : COMMUNICATIONS: ELECTRICAL  
 340/500 CONDITION RESPONSIVE INDICATING SYSTEM  
 340/540 .Specific condition  
 340/568.1 ..Article placement or removal (e.g.,  
 anti-theft)  
 340/572.1 ...Detectable device on protected article  
 (e.g., "tag")  
 340/572.8 ....Specified device housing or attachment  
 means

2 340/573.1 (1 OR, 1 XR)  
 Class 340 : COMMUNICATIONS: ELECTRICAL  
 340/500 CONDITION RESPONSIVE INDICATING SYSTEM  
 340/540 .Specific condition  
 340/573.1 ..Human or animal

2 340/637 (0 OR, 2 XR)  
 Class 340 : COMMUNICATIONS: ELECTRICAL  
 340/500 CONDITION RESPONSIVE INDICATING SYSTEM  
 340/540 .Specific condition  
 340/635 ..Condition of electrical apparatus  
 340/637 ...Watt-hour meter

2 340/692 (0 OR, 2 XR)  
 Class 340 : COMMUNICATIONS: ELECTRICAL  
 340/500 CONDITION RESPONSIVE INDICATING SYSTEM  
 340/691.1 .Specified indicator structure  
 340/692 ..Sound reproducer

2 340/825.02 (0 OR, 2 XR)  
 Class 340 : COMMUNICATIONS: ELECTRICAL  
 340/825 SELECTIVE  
 340/825.02 .Tree or cascade

2 340/825.52 (0 OR, 2 XR)  
 Class 340 : COMMUNICATIONS: ELECTRICAL  
 340/825 SELECTIVE  
 340/825.52 .Addressing

2 340/854.6 (1 OR, 1 XR)  
Class 340 : COMMUNICATIONS: ELECTRICAL  
340/853.1 WELLBORE TELEMETERING OR CONTROL (E.G.,  
SUBSURFACE TOOL GUIDANCE, DATA TRANSFER, ETC.)  
340/854.3 .Using a specific transmission medium (e.g.,  
conductive fluid, annular spacing, etc.)  
340/854.6 ..Electromagnetic energy (e.g., radio  
frequency, etc.)

2 341/176 (0 OR, 2 XR)  
Class 341 : CODED DATA GENERATION OR CONVERSION  
341/173 CODE GENERATOR OR TRANSMITTER  
341/176 .Transmitter for remote control signal

2 342/18 (0 OR, 2 XR)  
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES  
342/13 RADAR EW (ELECTRONIC WARFARE)  
342/16 .ECCM (Electronic counter-countermeasures,  
i.e., antijamming)  
342/17 ..Radar reacts to jamming  
342/18 ...By changing frequency

2 342/357.1 (2 OR, 0 XR)  
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES  
342/350 DIRECTIVE  
342/352 .Including a satellite  
342/357.01 ..With position indicating  
342/357.06 ...Using Global Positioning Satellite (GPS or  
Glonass)  
342/357.1 ....Combined with telecommunication

2 342/357.13 (0 OR, 2 XR)  
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES  
342/350 DIRECTIVE  
342/352 .Including a satellite  
342/357.01 ..With position indicating  
342/357.06 ...Using Global Positioning Satellite (GPS or  
Glonass)  
342/357.13 ....With storage device (i.e., map or database)

2 342/51 (0 OR, 2 XR)  
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES  
342/42 RADAR TRANSPONDER SYSTEM  
342/51 .Transponder only

2 359/145 (1 OR, 1 XR)  
Class 359 : OPTICS: SYSTEMS  
359/109 OPTICAL COMMUNICATION  
359/142 .Remote control  
359/145 ..With radio link

2 370/346 (1 OR, 1 XR)  
Class 370 : MULTIPLEX COMMUNICATIONS  
370/310 COMMUNICATION OVER FREE SPACE  
370/345 .Combining or distributing information via time  
channels  
370/346 ..Polling

2 370/350 (0 OR, 2 XR)  
Class 370 : MULTIPLEX COMMUNICATIONS  
370/310 COMMUNICATION OVER FREE SPACE  
370/345 .Combining or distributing information via time  
channels  
370/350 ..Synchronization

2 370/449 (1 OR, 1 XR)  
Class 370 : MULTIPLEX COMMUNICATIONS  
370/431 CHANNEL ASSIGNMENT TECHNIQUES  
370/449 .Polling

2 370/462 (1 OR, 1 XR)  
Class 370 : MULTIPLEX COMMUNICATIONS  
370/431 CHANNEL ASSIGNMENT TECHNIQUES  
370/462 .Arbitration for access to a channel

2 370/478 (0 OR, 2 XR)  
Class 370 : MULTIPLEX COMMUNICATIONS  
370/473 ..Transmission of a single message having  
multiple packets  
370/478 .Combined time division and frequency division

2 375/136 (2 OR, 0 XR)  
Class 375 : PULSE OR DIGITAL COMMUNICATIONS  
375/130 SPREAD SPECTRUM  
375/132 .Frequency hopping  
375/136 ..Receiver

2 375/142 (1 OR, 1 XR)  
Class 375 : PULSE OR DIGITAL COMMUNICATIONS  
375/130 SPREAD SPECTRUM  
375/140 .Direct sequence  
375/141 ..End-to-end transmission system  
375/142 ...Having correlation-type receiver

2 375/146 (1 OR, 1 XR)  
Class 375 : PULSE OR DIGITAL COMMUNICATIONS  
375/130 SPREAD SPECTRUM  
375/140 .Direct sequence  
375/146 ..Transmitter

2 375/150 (0 OR, 2 XR)  
Class 375 : PULSE OR DIGITAL COMMUNICATIONS  
375/130 SPREAD SPECTRUM  
375/140 .Direct sequence  
375/147 ..Receiver  
375/150 ...Correlation-type receiver



2 380/262 (1 OR, 1 XR)  
Class 380 : CRYPTOGRAPHY  
380/255 COMMUNICATION SYSTEM USING CRYPTOGRAPHY  
380/259 .Symmetric key cryptography  
380/260 ..Symmetric key synchronization  
380/262 ...Transmitting a seed, sequence, or initial  
value

2 380/274 (0 OR, 2 XR)  
Class 380 : CRYPTOGRAPHY  
380/255 COMMUNICATION SYSTEM USING CRYPTOGRAPHY  
380/270 .Wireless communication  
380/274 ..Synchronization

2 380/46 (0 OR, 2 XR)  
Class 380 : CRYPTOGRAPHY  
380/277 KEY MANAGEMENT  
380/44 .Having particular key generator  
380/46 ..Nonlinear (e.g., pseudorandom)

4968978 88  
5181934 88  
5268683 88  
5280293 88  
5302954 88  
6252544 88  
6429812 88  
5553094 77  
5673252 77  
5963146 77  
6172616 77  
5191610 73  
5477209 73  
5966008 72  
6084503 72  
4354275 71  
4596985 71  
5271043 71  
5311541 71  
5377222 71  
5454009 71  
5561420 71  
5668828 71  
5801643 71  
5828693 71  
5844482 71  
5959550 71  
6031883 71  
6037879 71  
6061344 71  
6072801 71  
6098189 71  
6118789 71  
6137422 71  
6169474 71  
6174073 71  
6198392 71

6215393 71  
6226300 71  
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6226300 71  
4245347 70  
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4259547 70  
4361890 70  
4369437 70  
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4399441 70  
4414534 70  
4442434 70  
4513412 70  
4600299 70  
4792796 70  
4894642 70  
4912463 70  
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5235619 70  
5255819 70  
5287384 70  
5361212 70  
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5471658 70  
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5537397 70

5543806 70  
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5604551 70  
5617084 70  
5640385 70  
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5708421 70  
5745037 70  
5751246 70  
5760737 70  
5774065 70  
5804967 70  
5828220 70  
5841118 70  
5850181 70  
5852403 70  
5862221 70  
5878329 70  
5883886 70  
5886647 70  
5937002 70  
5936754 70  
6002343 70  
6058374 70  
6072384 70  
6078258 70

Most Frequently Occurring Classifications of Patents Returned  
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Original Classifications

5 340/825.69  
4 340/539  
4 340/870.02  
3 370/437  
3 375/130  
3 375/131  
3 375/134  
2 222/1  
2 340/10.1  
2 340/447  
2 340/5.26  
2 340/572.4  
2 342/357.1  
2 375/136

Cross-Reference Classifications

8 340/572.1  
8 340/825.72  
6 340/539  
6 380/34  
5 340/870.03  
4 340/10.1  
4 340/531  
3 340/5.64  
3 340/571  
3 340/825.69  
3 340/870.11  
3 342/357.06  
3 342/457  
3 370/458  
3 701/213  
2 73/146.4

2 73/146.5  
2 119/721  
2 175/40  
2 222/36  
2 222/641  
2 324/117R  
2 324/252  
2 340/10.2  
2 340/10.33  
2 340/10.34  
2 340/10.4  
2 340/10.51  
2 340/442  
2 340/551  
2 340/568.1  
2 340/572.8  
2 340/573.4  
2 340/637  
2 340/692  
2 340/825.02  
2 340/825.52  
2 340/870.02  
2 341/176  
2 342/18  
2 342/357.13  
2 342/51  
2 370/350  
2 370/478  
2 375/150  
2 380/274  
2 380/46

Combined Classifications

10 340/539  
9 340/572.1  
9 340/825.72  
8 340/825.69

6 340/10.1  
6 340/870.02  
6 380/34  
5 340/870.03  
4 340/531  
3 222/641  
3 340/10.4  
3 340/442  
3 340/447  
3 340/5.26  
3 340/5.64  
3 340/571  
3 340/573.4  
3 340/870.11  
3 342/357.06  
3 342/457  
3 370/437  
3 370/458  
3 375/130  
3 375/131  
3 375/134  
3 701/213  
2 73/146.4  
2 73/146.5  
2 119/721  
2 175/40  
2 222/1  
2 222/36  
2 324/117R  
2 324/252  
2 324/96  
2 340/10.2  
2 340/10.33  
2 340/10.34  
2 340/10.41  
2 340/10.51  
2 340/551

2 340/568.1  
2 340/572.4  
2 340/572.8  
2 340/573.1  
2 340/637  
2 340/692  
2 340/825.02  
2 340/825.52  
2 340/854.6  
2 341/176  
2 342/18  
2 342/357.1  
2 342/357.13  
2 342/51  
2 359/145  
2 370/346  
2 370/350  
2 370/449  
2 370/462  
2 370/478  
2 375/136  
2 375/142  
2 375/146  
2 375/150  
2 380/262  
2 380/274  
2 380/46